Remote iAlarm Center

User's Manual

July 2011

COPYRIGHT

©2011 AVer Information Inc. All rights reserved.

No part of this document may be reproduced or transmitted in any form, or by any means without the prior written permission of AVer Information Inc. AVer Information Inc. reserves the rights to modify its models, including their characteristics, specifications, accessories and any other information stated herein without notice. The official printout of any information shall prevail should there be any discrepancy between the information contained herein and the information contained in that printout.

TRADEMARKS

“AVer” is a trademark owned by AVer Information Inc. Other trademarks used herein for description purpose only belong to each of their companies.

DISCLAIMER

No warranty or representation, either expressed or implied, is made with respect to the contents of this documentation, its quality, performance, merchantability, or fitness for a particular purpose. Information presented in this documentation has been carefully checked for reliability; however, no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.

In no event will AVer Information Inc. be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use this product or documentation, even if advised of the possibility of such damages.

Manual Conventions

The following conventions are used throughout this manual.

	The caution symbol is intended to alert the user of the importance of the particular installation and operating instructions. Failure to comply may damage the system.
	The information symbol is intended to provide additional information for the purpose of clarification.

TABLE OF CONTENTS

CHAPTER 1 INTRODUCTION 1

CHAPTER 2 SOFTWARE INSTALLATION 2

2.1 Minimum System Requirements 2

2.2 Installing the Remote iAlarm Software in Windows XP/2000/Vista/7 3

CHAPTER 3 USING THE REMOTE IALARM 4

3.1 Running the Remote iAlarm Software 4

3.1.1 Using the Virtual Keyboard 4

3.2 Using the Remote iAlarm Application 5

3.2.1 Adding a DVR/CMS Server 5

3.2.2 Setup the System and Language 8

3.2.3 Setup User Account 9

3.3 Using the Alarm Center 11

3.3.1 To Manage Live Alarm 12

3.3.2 To Search the Alarm 15

3.3.3 To Navigate the Alarm Information 18

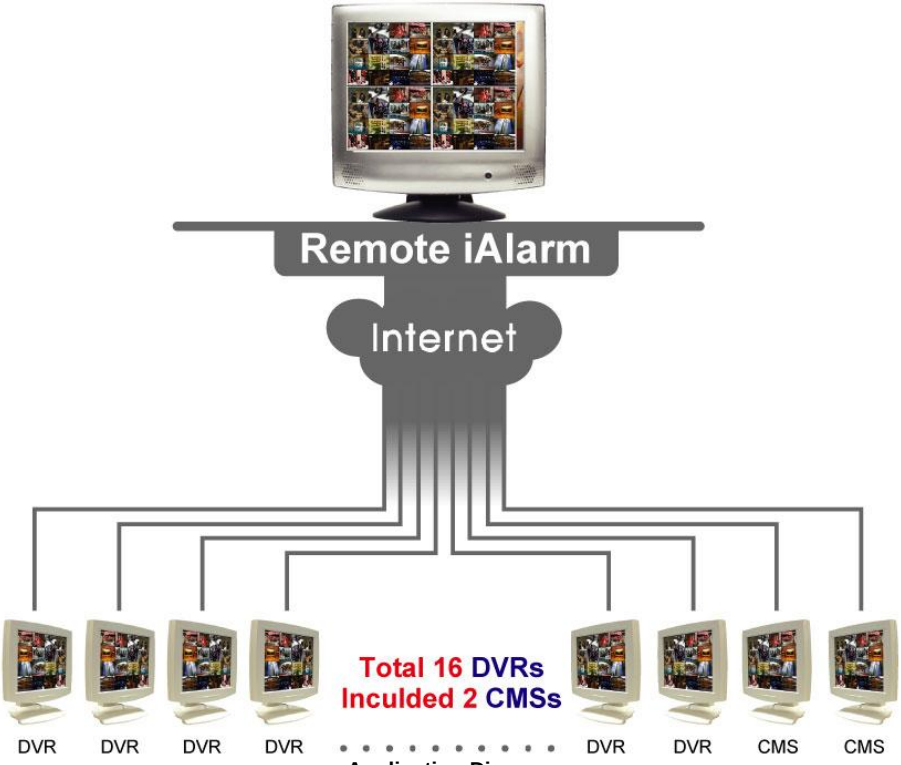
APPENDIX A INSTALLATION OF THE MYSQL 21

Testing MySQL 31

To re-install the MySQL Application 31

Chapter 1 Introduction

The AVer™ Remote iAlarm is an alarm manage center that allows user to connect with DVR servers and CMS servers and to receive and manage the alarms from DVR and CMS servers.



Application Diagram

Chapter 2 Software Installation

This chapter describes how to install the Remote iAlarm software.

Before installing the software, make sure the Windows OS patches are up to date and the video graphic card driver is up to date.

2.1 Minimum System Requirements

First, must verify if the computer meets the minimum system requirements.

CPU	Intel P4 or compatible, 2.4 MHz or above recommended
OS	Windows 2000 / XP Professional / Vista / 7
RAM	512MB or higher
Hard disk	150GB or higher
Media	CD-ROM drive
VGA	16-bit high color SVGA graphic card with Direct & YUV Rendering capability, 64MB video memory at least
Audio	Sound card and speakers
Internet capacity	10/100 Base-T Ethernet card or above

2.2 Installing the Remote iAlarm Software in Windows XP/2000/Vista/7

1. Place the installation CD into the CD-ROM drive then click **Install Web Tool** and click **Next** to go next step.
2. Select the **Remote iAlarm** to install and click **Next** to go next step.
3. Please carefully read the license agreement. Click **Yes** to accept the agreement.
4. Enter the **User ID** and **Password** and click **Next** to go to next step.
5. If user wants to change the install path, click **Browser** to locate the new path. Otherwise, using the default install path and click **Next** to go to next step.
6. Select "**Yes, I want to restart my computer now**" and click **Finish** to reboot your PC.

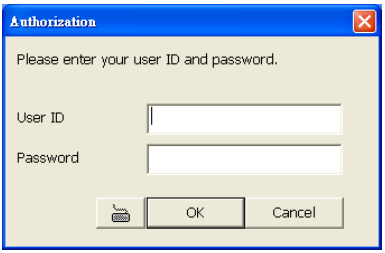
Chapter 3 Using the Remote iAlarm

3.1 Running the Remote iAlarm Software

To run the application, double-click

on your PC desktop or click **Start** > **Programs** > **Remote iAlarm**.

For security purposes, some of the features would require you to enter a User ID and Password before they can be accessed. When the Authorization dialog box appears, key in your User ID and Password. (If this is the first time, enter the one you have registered when installing the software.)



3.1.1 Using the Virtual Keyboard

If the keyboard is not available, you may use the Virtual Keyboard. Just click to show the virtual keyboard. For uppercase and lowercase, click **shift** button.

On-Screen Keyboard
File Keyboard Settings Help
esc F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12 psc slk brk
` 1 2 3 4 5 6 7 8 9 0 - = bksp ins hm pup nlk / * -
tab q w e r t y u i o p [ ] \ del end pdn 7 8 9 +
lock a s d f g h j k l ; ' ent 4 5 6
shft z x c v b n m , . / shft 1 2 3 ent
ctrl alt alt ctrl 0 .

3.2 Using the Remote iAlarm Application

When an alarm occurred on the DVR server and when CMS server received an alarm from DVR server, both alarms will transmit to the Remote iAlarm center.

In Remote iAlarm enter, user can manage live alarm event, searching the alarm event, and navigate relate parameters of connected DVR servers, CMS servers, and alarm filters.

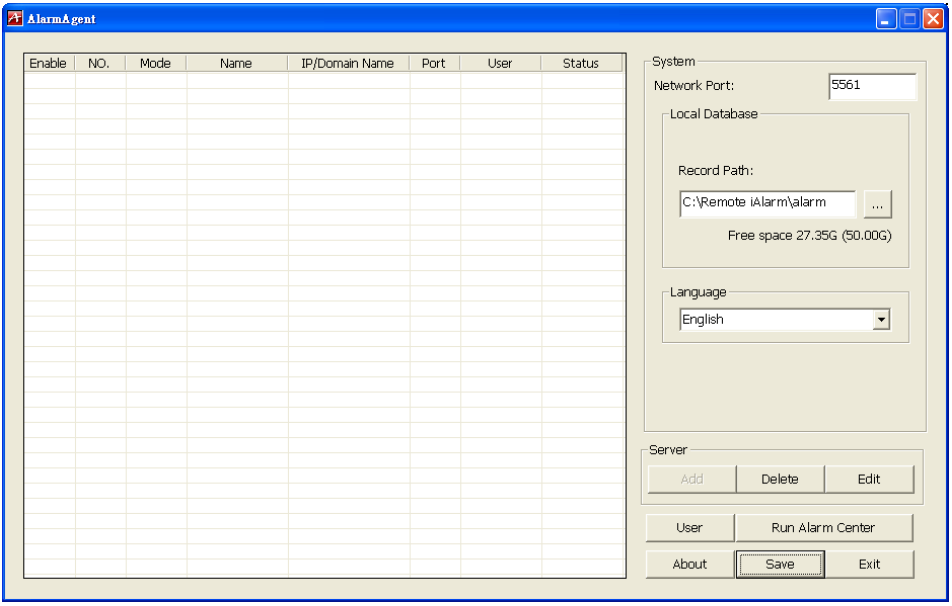
3.2.1 Adding a DVR/CMS Server

To receive the alarm from DVR/CMS server, user needs to add DVR/CMS server.

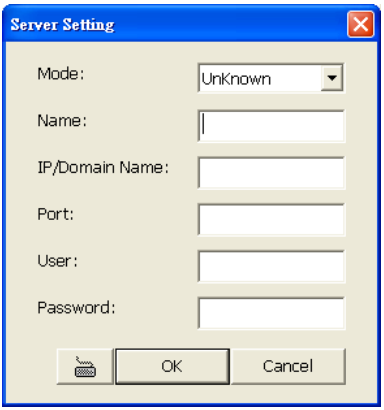
- Remote Alarm can have 16 DVR and CMS server in total but only **2 CMS** servers are allowed.
- In order to receive the alarm from CMS server, the database of the CMS server needs to be setup as MySQL. Please see CMS user's manual for more detail.

Follow the below steps to add the DVR and CMS servers.

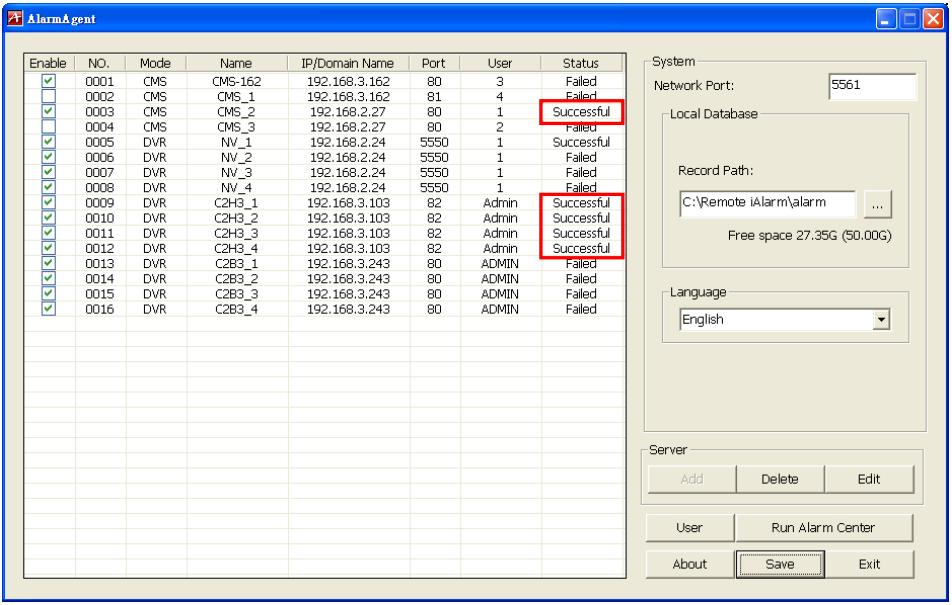
1. Run the Remote iAlarm application, click double-click on your PC desktop or click **Start** > **Programs** > **Remote iAlarm**.
2. The Remote iAlarm window will appear.



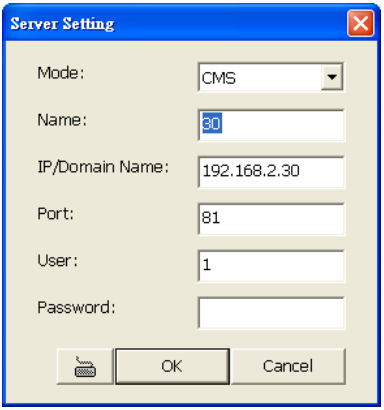
3. Click **Add** to add a DVR/CMS server.



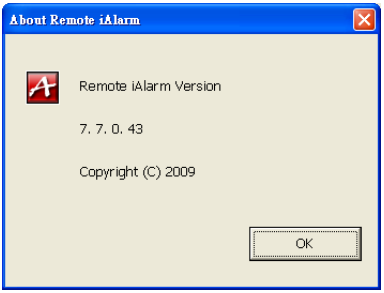
4. In Server Setting window, enter the following data:
   - **Mode:** Select the type of server (DVR or CMS) that user wants to add.
   - **Name:** Assign a name of the DVR/CMS server for managing easily.
   - **IP/Domain Name:** Enter the IP address or domain name of the DVR/CMS server.
   - **Port:** Enter the connection port of the DVR/CMS server.
   - **User:** Enter the ID for login to DVR/CMS server.
   - **Password:** Enter the password for login to DVR/CMS server.
5. After entered all necessary data, click **OK** to save the configuration.
6. The DVR/CMS server will be added and list in table. When user sees the "**Successful**" in *Status* column, it means the communication between Remote iAlarm and DVR/CMS server is ok. The "**Failed**" means the DVR/CMS server may be down or network communication problem.


AlarmAgent
Enable NO. Mode Name IP/Domain Name Port User Status
0001 CMS CMS-162 192.168.3.162 80 3 Failed
0002 CMS CMS_1 192.168.3.162 81 4 Failed
0003 CMS CMS_2 192.168.2.27 80 1 Successful
0004 CMS CMS_3 192.168.2.27 80 2 Failed
0005 DVR NV_1 192.168.2.24 5550 1 Successful
0006 DVR NV_2 192.168.2.24 5550 1 Failed
0007 DVR NV_3 192.168.2.24 5550 1 Failed
0008 DVR NV_4 192.168.2.24 5550 1 Failed
0009 DVR C2H3_1 192.168.3.103 82 Admin Successful
0010 DVR C2H3_2 192.168.3.103 82 Admin Successful
0011 DVR C2H3_3 192.168.3.103 82 Admin Successful
0012 DVR C2H3_4 192.168.3.103 82 Admin Successful
0013 DVR C2B3_1 192.168.3.243 80 ADMIN Failed
0014 DVR C2B3_2 192.168.3.243 80 ADMIN Failed
0015 DVR C2B3_3 192.168.3.243 80 ADMIN Failed
0016 DVR C2B3_4 192.168.3.243 80 ADMIN Failed
System
Network Port:
5561
Local Database
Record Path:
C:\Remote iAlarm\alarm
Free space 27.35G (50.00G)
Language
English
Server
Add
Delete
Edit
User
Run Alarm Center
About
Save
Exit

7. To stop receive the alarm from DVR/CMS server, un-mark the **Enable** check box in *Enable* column. To resume the alarm receive processing, mark the **Enable** check box again.
8. To operate the Remote iAlarm enter, click **Run Alarm Center**. Please see Chapter 3.3 for detail.
9. To delete the DVR/CMS server, select the DVR/CMS server from the list and click **Delete**.
10. To modify the DVR/CMS server, select the DVR/CMS server from the list and click **Edit**. In Server Setting window, user can change the values as demand.

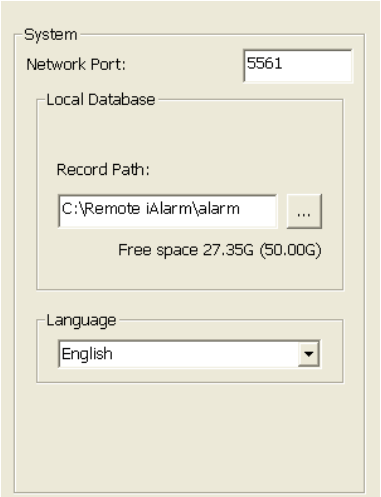


11. Click **Save** can save the current configuration of the Remote iAlarm.
12. To check the Remote iAlarm product information, click **About**.



3.2.2 Setup the System and Language

User can setup the alarm record path, network port, and language for Remote iAlarm.



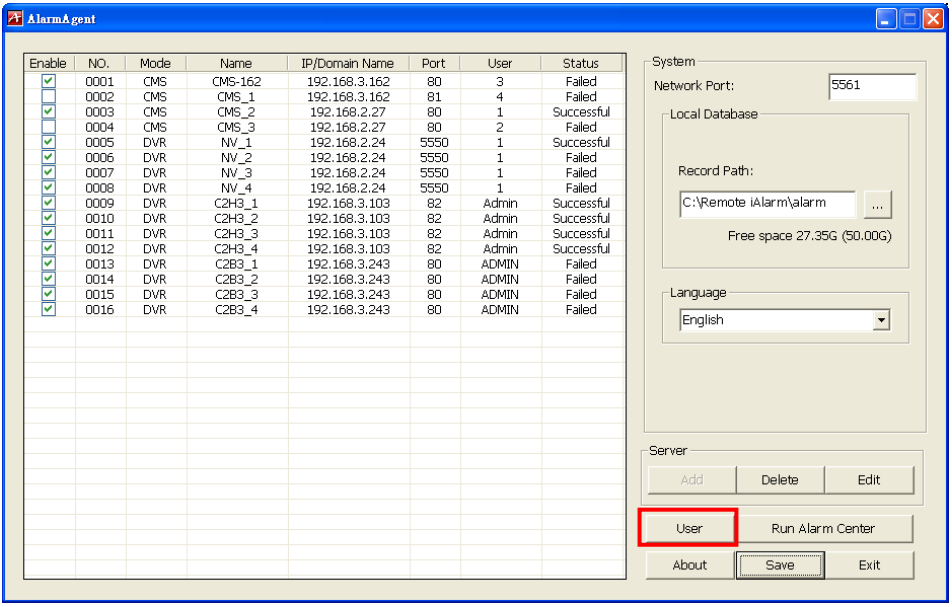
- **Setup the System**
  - **Network Port:** Assign a port for transmitting data or communicating between Remote iAlarm and DVR/CMS servers.
  - **Record Path:** Click ... to change the storage path for saving received alarms.
- **Select the Language**

Select the interface language of the Remote iAlarm. Current only supports English and Traditional Chinese.

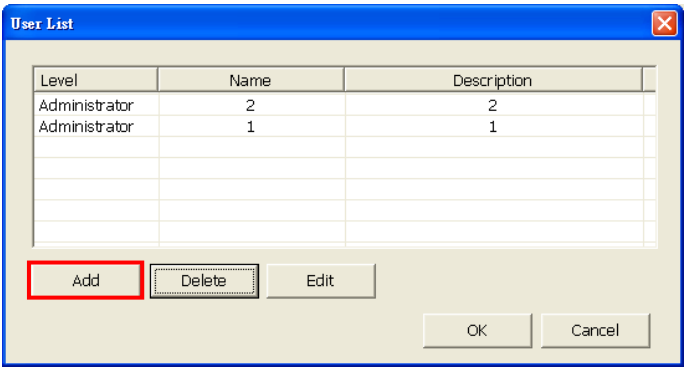
3.2.3 Setup User Account

The Remote iAlarm allows creating up to 256 user accounts.

1. Click **User** button in Alarm Agent window. The User List window will appear right after.

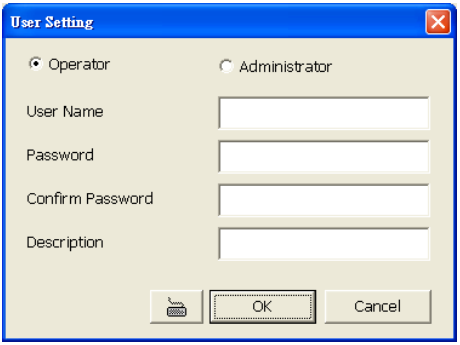

AlarmAgent
Enable NO. Mode Name IP/Domain Name Port User Status
0001 CMS CMS-162 192.168.3.162 80 3 Failed
0002 CMS CMS_1 192.168.3.162 81 4 Failed
0003 CMS CMS_2 192.168.2.27 80 1 Successful
0004 CMS CMS_3 192.168.2.27 80 2 Failed
0005 DVR NV_1 192.168.2.24 5550 1 Successful
0006 DVR NV_2 192.168.2.24 5550 1 Failed
0007 DVR NV_3 192.168.2.24 5550 1 Failed
0008 DVR NV_4 192.168.2.24 5550 1 Failed
0009 DVR C2H3_1 192.168.3.103 82 Admin Successful
0010 DVR C2H3_2 192.168.3.103 82 Admin Successful
0011 DVR C2H3_3 192.168.3.103 82 Admin Successful
0012 DVR C2H3_4 192.168.3.103 82 Admin Successful
0013 DVR C2B3_1 192.168.3.243 80 ADMIN Failed
0014 DVR C2B3_2 192.168.3.243 80 ADMIN Failed
0015 DVR C2B3_3 192.168.3.243 80 ADMIN Failed
0016 DVR C2B3_4 192.168.3.243 80 ADMIN Failed
System
Network Port: 5561
Local Database
Record Path:
C:\Remote iAlarm\alarm
Free space 27.35G (50.00G)
Language
English
Server
Add Delete Edit
User Run Alarm Center
About Save Exit

2. In User List window, user can see the existing user account listing out. To create a new user account, click **Add** and the User Setting window will appear.



3. In User Setting window, select the type of user account – Operator or Administrator.
   - **Administrator:** Administrator has full authority to operate the Remote iAlarm(Alarm Agent and Alarm Center).
   - **Operator:** Only allows operating the Alarm Center, no authority of the configuration.
4. Enter the all required data in User **Name**, **Password** and **Confirm Password**.
5. In **Description** column, enter a short description for this user account.

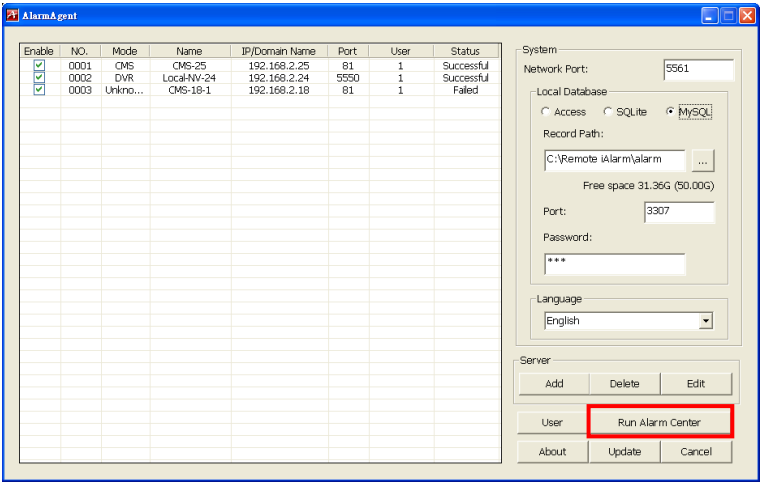
6. Click **OK** to complete the setting.



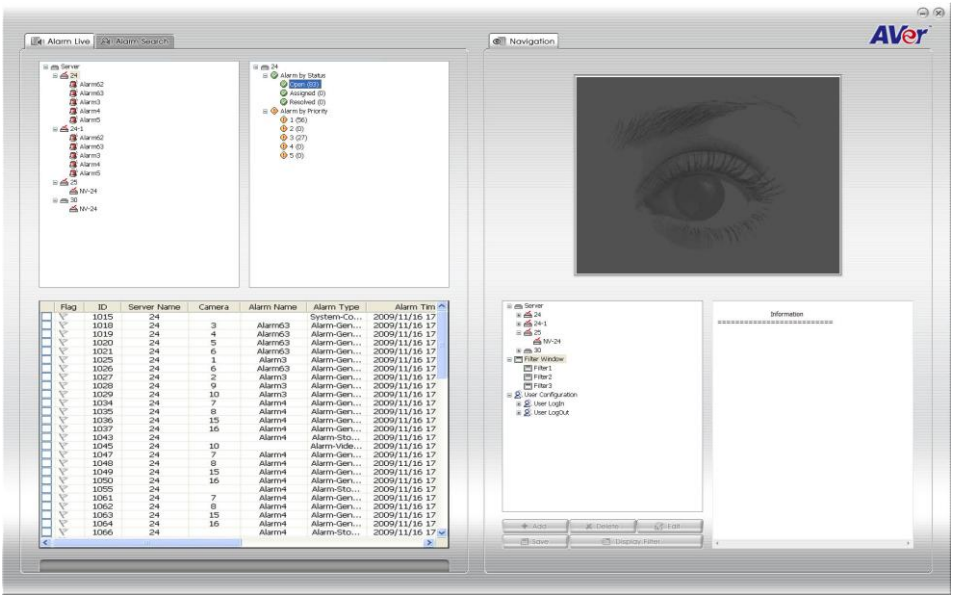
7. To delete the user account, select the account and click **Delete** button.
8. Select user account and click **Edit** button can modify the selected user account.

3.3 Using the Alarm Center

After has added DVR/CMS server, click **Run Alarm Center** to run the Alarm Center application.



The Alarm Center divides into 3 parts – **Alarm Live**, **Alarm Search**, and **Alarm Navigator**. We will description each part in detail at following paragraphs.



Alarm Center UI

3.3.1 To Manage Live Alarm

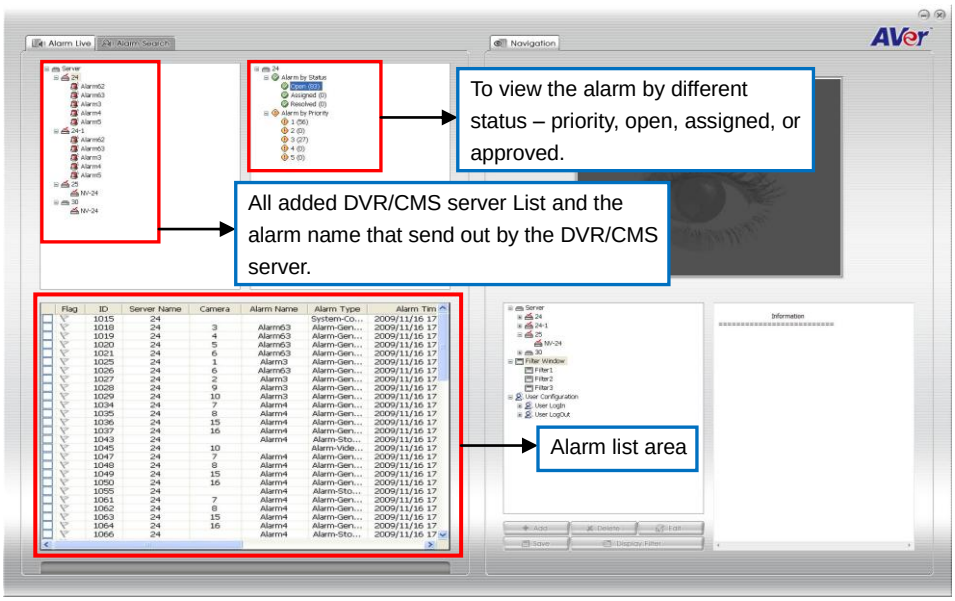
User can select the alarm to assign to different operator, change the priority of alarm, and change status of alarm.

1. In **Alarm Live**, user will see all received live alarm list out in lower part of left side.
2. User can select the DVR/CMS server to view only the selected DVR/CMS server's alarm.

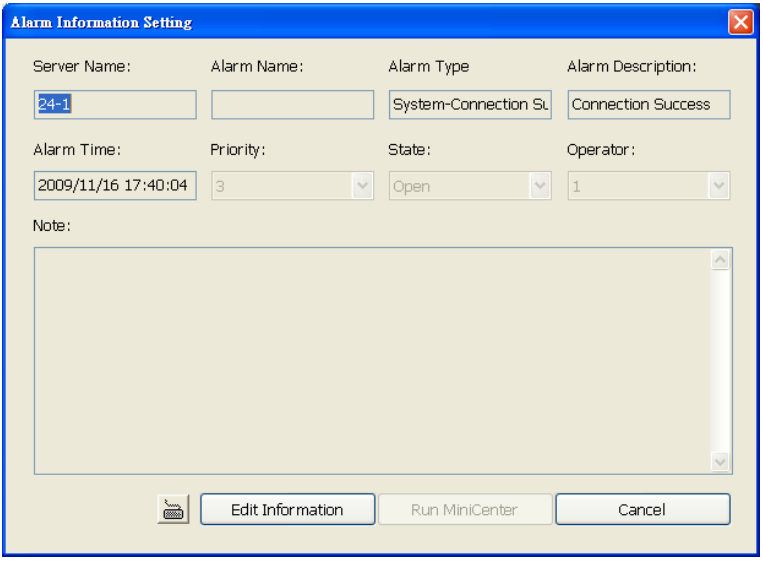
> The server with a check mark means the server has been successful connecting with the Remote iAlam and transmitting the alarms.

3. User can view alarm by different status such as priority, open, assigned, and approved. Click the status of alarm in upper right side of the Alarm Live section to view.

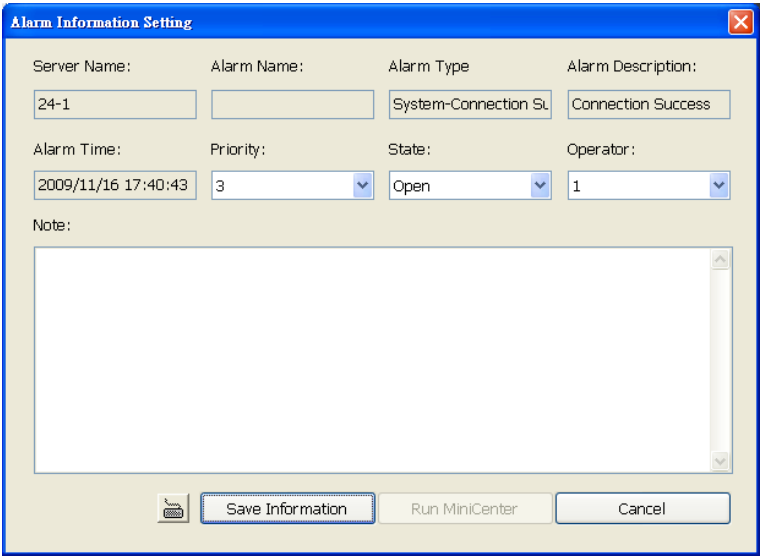
> The priority of alarm is set on DVR server or re-assigned on CMS server. User is allowed to customize the priority of alarm that has received from DVR/CMS server and all re-assigned action will be recorded on Alarm Center.


To view the alarm by different status – priority, open, assigned, or approved.
All added DVR/CMS server List and the alarm name that send out by the DVR/CMS server.
Alarm list area

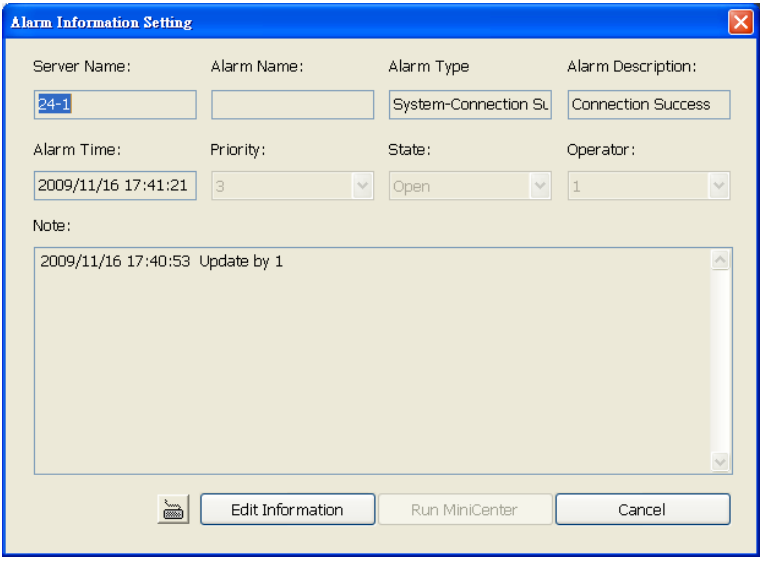
4. To mark the alarm event, click check box.
5. Double-click on the alarm that user wants to manage. User should see the Alarm Information Setting window show up.



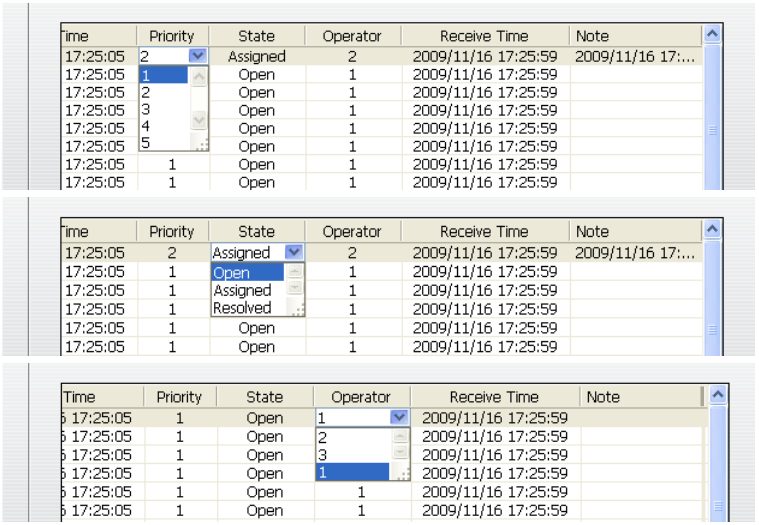
6. Click **Edit Information** to edit the alarm.



7. User can change **Priority**, **State**, and **Operator** of alarm. To enter the description or memo on **Note** column. And then, click **Save** to save the change.



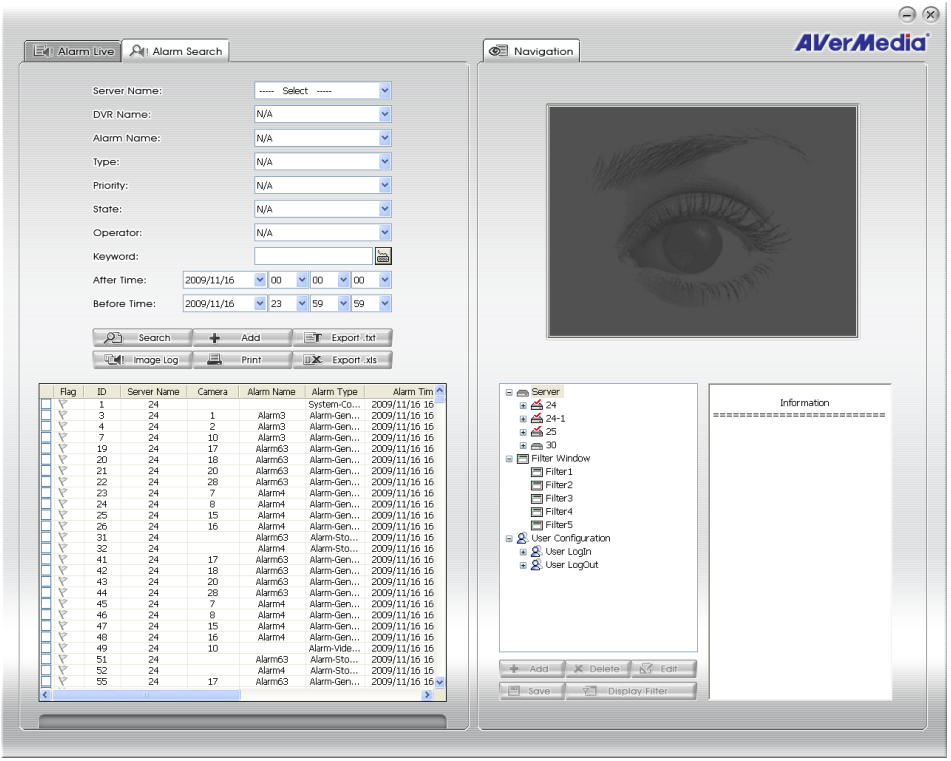
8. To exit, click **Cancel**.
9. User can change the **Priority**, **State**, and **Operator** of the alarm by clicking the column of the Priority, State, and Operator in alarm list table. The changing of result is same as in Alarm Information Setting window.



10. To manage another alarm, follow the above steps 5 to 8.

3.3.2 To Search the Alarm

User can search the alarm by the conditions.



1. Set the follow conditions to search the wanted alarm events.

- **Server Name:** select the DVR/CMS server or select **All**.

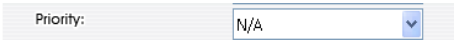
- **DVR Name:** select the DVR of the CMS server or select **All**.

If user select DVR server in **Server Name**, then no need to select the **DVR Name**.

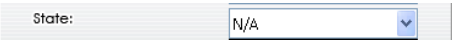
- **Alarm Name:** select the alarm that user wants to search for.

- **Type:** select the alarm condition (Motion, Alarm, DVR Exit, Login, Connection Loss, Connection Success, Video Loss, HD Failed, and Reset Alarm)that user wants to search for.

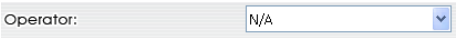
- **Priority:** select the priority level of alarm that user wants to search for.



- **State:** select the alarm status that wants to search

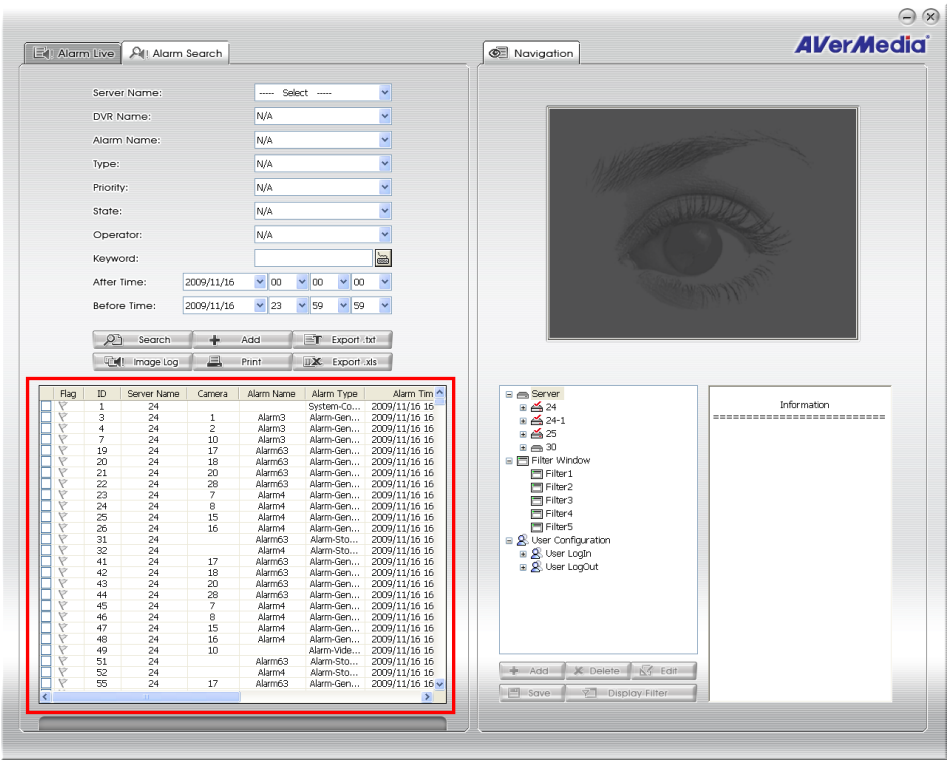


- **Operator:** select the operator that wants to search



- **Keyword:** enter the specific word string to search.
- **After/Before Time:** set a specific time range to search.

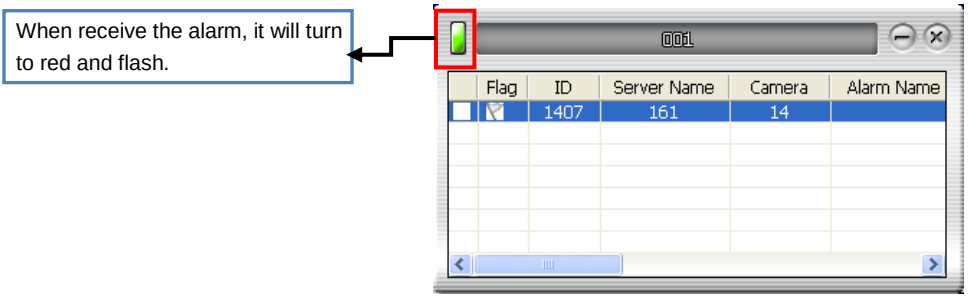
2. When the search conditions are set, click **Search** to start searching. If user doesn't set any conditions, the system still will start search when click **Search** button. And the, result will be all alarms. The search result will display on the lower part of Alarm Search window.



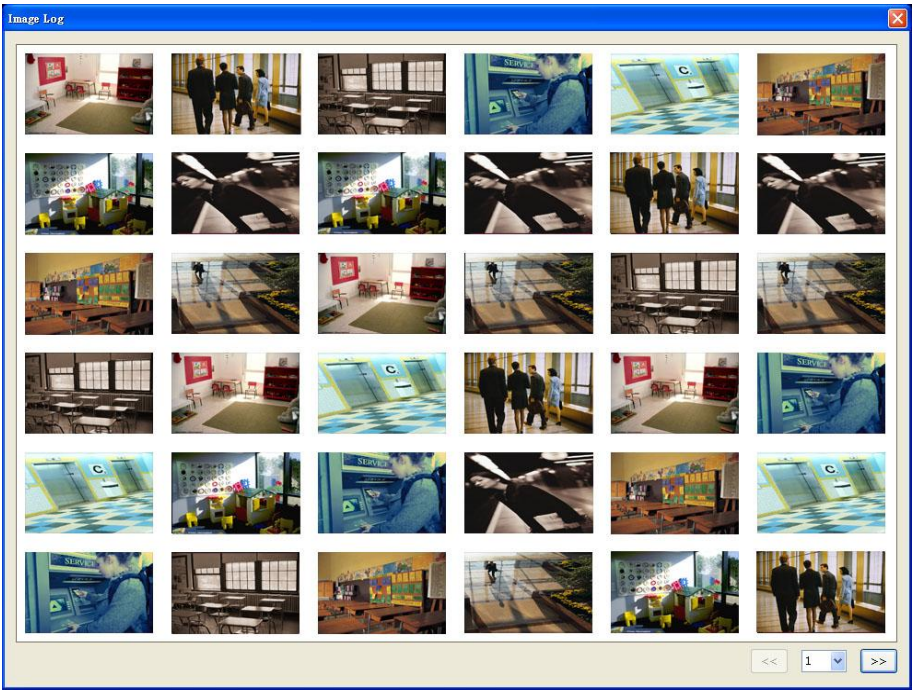
3. User can select the alarm to assign to different operator, change the priority of alarm, and change status of alarm (see also Chapter 3.3.1).
4. The result of search can be print by clicking **Print** button. Also, the search result can be save as in ***.txt** and ***.xls** format by clicking **Export .txt** or **Export .xls** button.
5. User can save the search condition as a filter to filet the alarm that match the conditions. Click **Add** button, the **filter** will add in Filter Window section. To modify the filter, please refer to the Chapter 3.3.3.

User also can create a new filter in **Navigation** section (see also Chapter 3.3.3).

6. When the Remote iAlarm receives the alarm that match the condition of the filter, filter window will flash in red light and the alarm will be display in filter window. To minimize the filter click, click to close the filter.

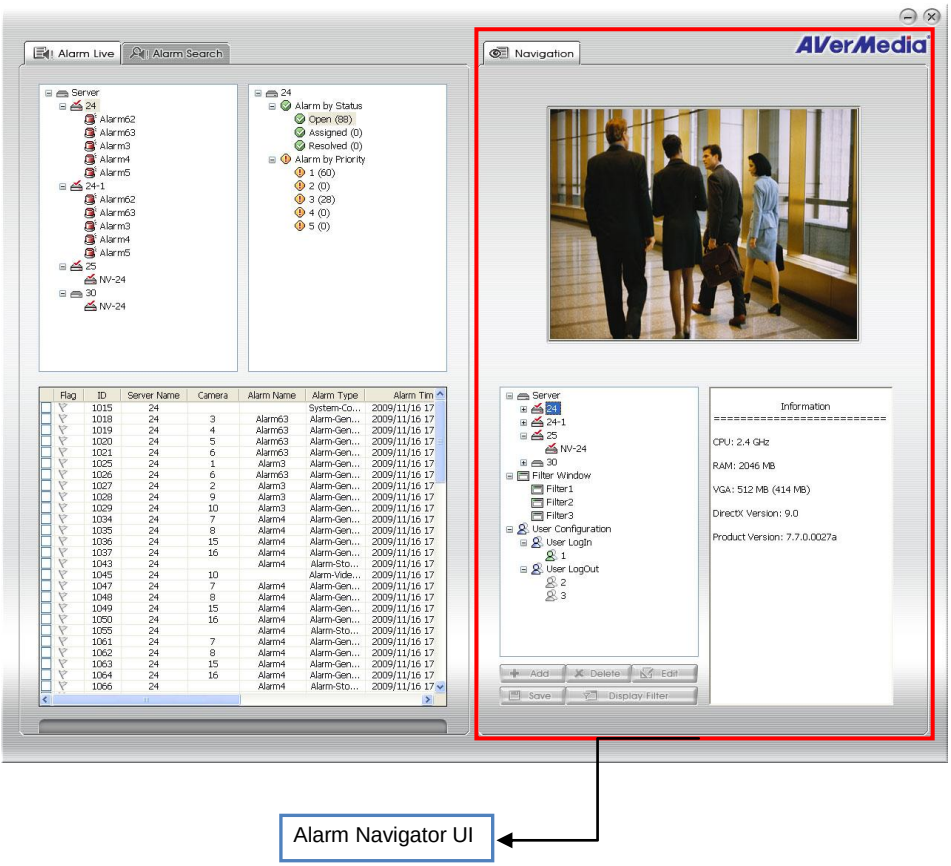


7. Clicking **Image Log** button to view alarm image. The image log window will show up.



3.3.3 To Navigate the Alarm Information

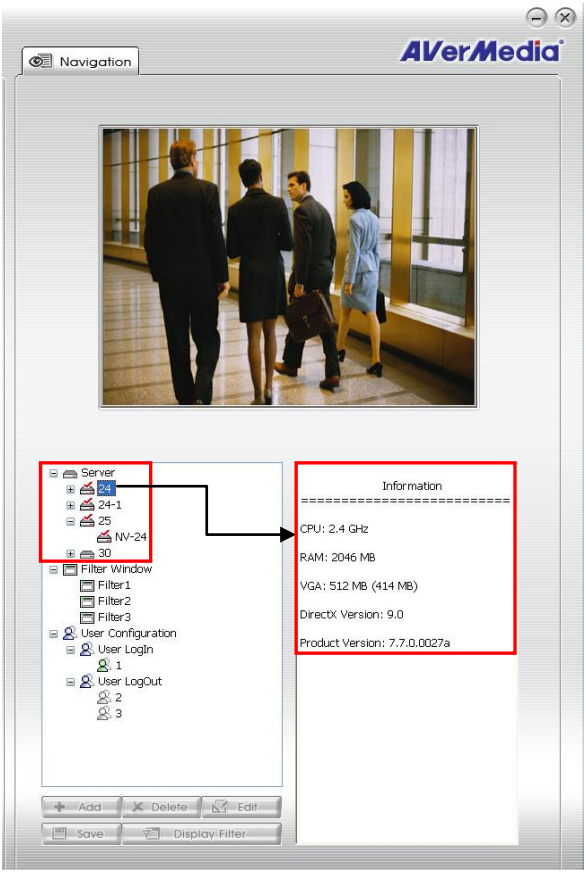
User can view information of DVR, alarm, user and configure filter.



Alarm Navigator UI

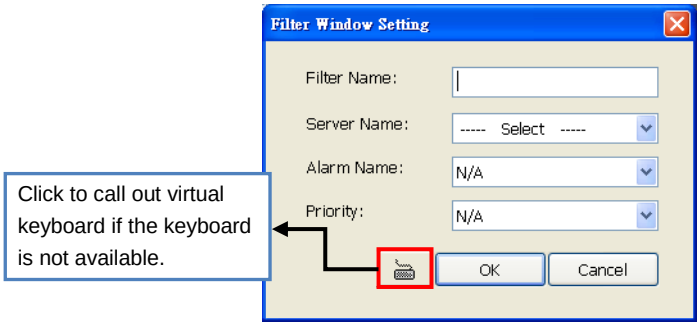
■ **Viewing the DVR information**

In Server section, user can select the DVR to view. The information will be display on *Information* column and the image will be display when user selects the camera of the DVR.

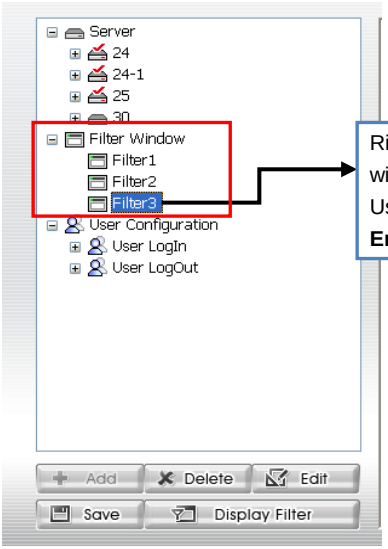


■ **Configuring the Filters**

The filter section displays the current existing filters, user also can add more filters by clicking **Add** button and Filter Window Setting appears right after. In Filter Window Setting, enter the **Filter Name**; select the **Server Name**, **Alarm Name**, and **Priority** of alarm.

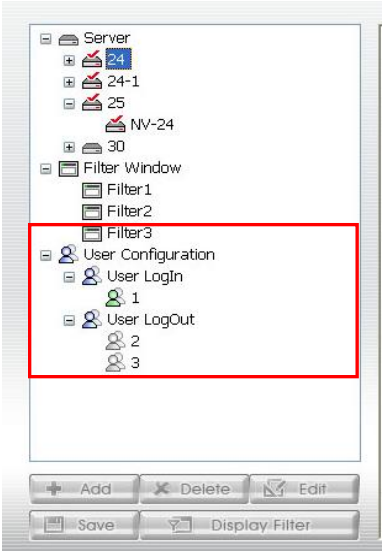


To delete the filter, select the filter and click **Delete.** To modify the filter, click **Edit**. Select the filter and click **Display filter** can call out the filter to view if the filter window is closed.



■ Viewing the User Status

In User Configuration section, click to view who is current on line.

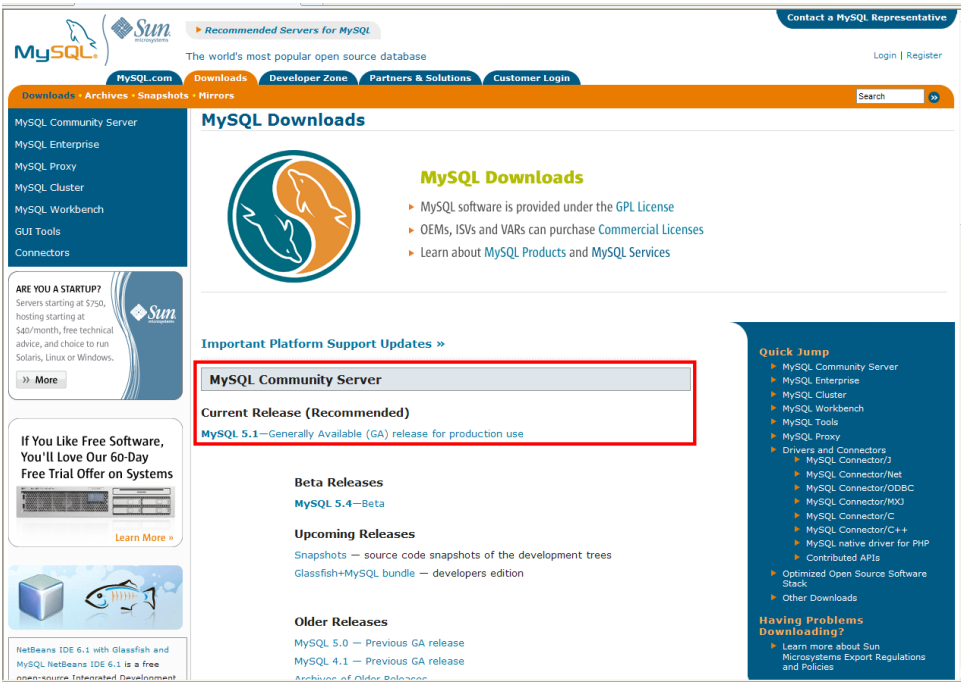


Appendix A Installation of the MySQL

To use the MySQL as the database of the Remote iAlarm, user needs to install MySQL application on the same PC that user install Remote iAlarm.

Please follow the below steps to install the MySQL application.

1. Please go to http://dev.mysql.com/downloads/ to download the MySQL for installation.
2. We recommend user to download the current version. Click the listed current version of MySQL.



3. Select the system platform of your PC and select the "**Windows MSI Installer(x86)**" to download. Save the download file on your desktop.

Windows downloads (platform notes)

Windows Essentials (x86)	5.1.41	39.0M	Download | Pick a mirror
		MD5: 85a8323a874f908a2dd2c6aebd4f59ba | Signature	
Windows MSI Installer (x86)	5.1.41	104.7M	Download | Pick a mirror
		MD5: d85c43554b422f288c2cc1a2cf952bc1 | Signature	
Without installer (unzip in C:\)	5.1.41	113.2M	Download | Pick a mirror
		MD5: d3f94a766df6154660734a88b4c2ed5b | Signature	

Windows x64 downloads (platform notes)

Windows Essentials (AMD64 / Intel EM64T)	5.1.41	30.1M	Download | Pick a mirror
		MD5: 4d7f47a9a87e5127c3d9e708aacffe73 | Signature	
Windows MSI Installer (AMD64 / Intel EM64T)	5.1.41	94.6M	Download | Pick a mirror
		MD5: df38d034aef61f7b6131847b48830a9f | Signature	
Without installer (AMD64 / Intel EM64T)	5.1.41	116.3M	Download | Pick a mirror
		MD5: c6174f9f419a0b331b02f9423bf02b9c | Signature	

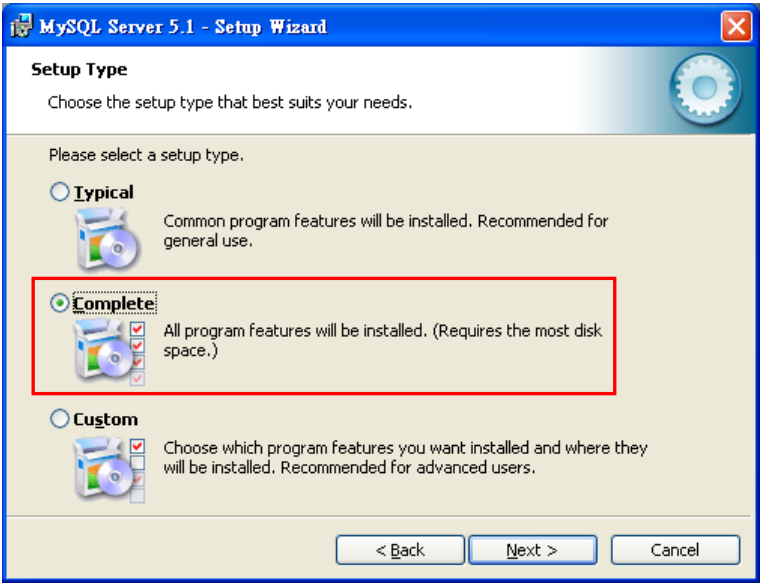
Linux (non RPM packages) downloads (platform notes)

Linux (x86)	5.1.41	120.9M	Download | Pick a mirror
		MD5: c459eb7ad36d1a3099ca344f40ae0cf7 | Signature	
Linux (AMD64 / Intel EM64T)	5.1.41	125.8M	Download | Pick a mirror
		MD5: 4e11a7d6ec6d1663b1cb44363d7868e5 | Signature	
Linux (IA64)	5.1.41	120.1M	Download | Pick a mirror
		MD5: 1e6ef557df2dfed22765cece028f1a44 | Signature	
Linux (POWER / PowerPC, 32-bit)	5.1.40	187.8M	Download | Pick a mirror
		MD5: 7dc8360802e37f746a6ea60b39fa6c82 | Signature	
Linux (S/390X)	5.1.40	123.6M	Download | Pick a mirror
		MD5: 02cf1dc5c542487ad863bb5751611ede | Signature	

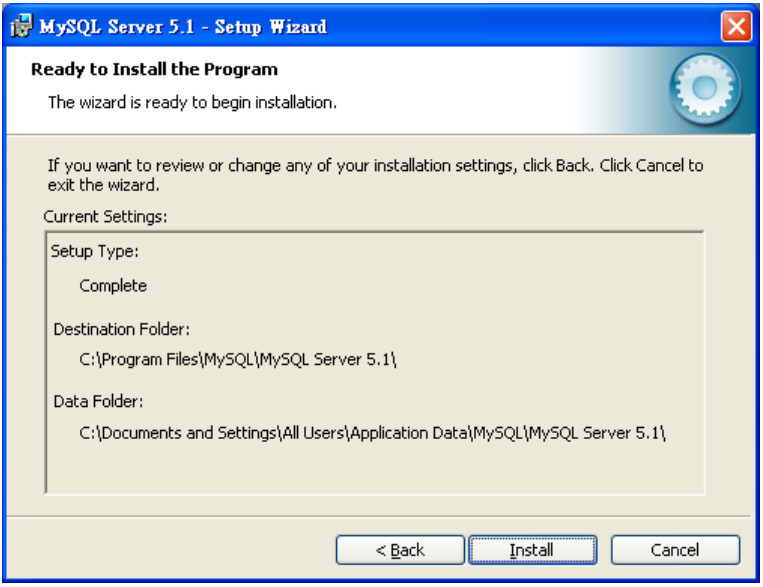
4. Click the download file to install the MySQL. In Setup wizard, click **Next** to continue.

MySQL Server 5.1 - Setup Wizard
Welcome to the Setup Wizard for MySQL Server 5.1
The Setup Wizard will install MySQL Server 5.1 release 5.1.41 on your computer. To continue, click Next.
WARNING: This program is protected by copyright law.
< Back
Next >
Cancel
MySQL

5. Select “**Complete**” to install.


MySQL Server 5.1 - Setup Wizard
Setup Type
Choose the setup type that best suits your needs.
Please select a setup type.
Typical
Common program features will be installed. Recommended for general use.
Complete
All program features will be installed. (Requires the most disk space.)
Custom
Choose which program features you want installed and where they will be installed. Recommended for advanced users.
< Back
Next >
Cancel

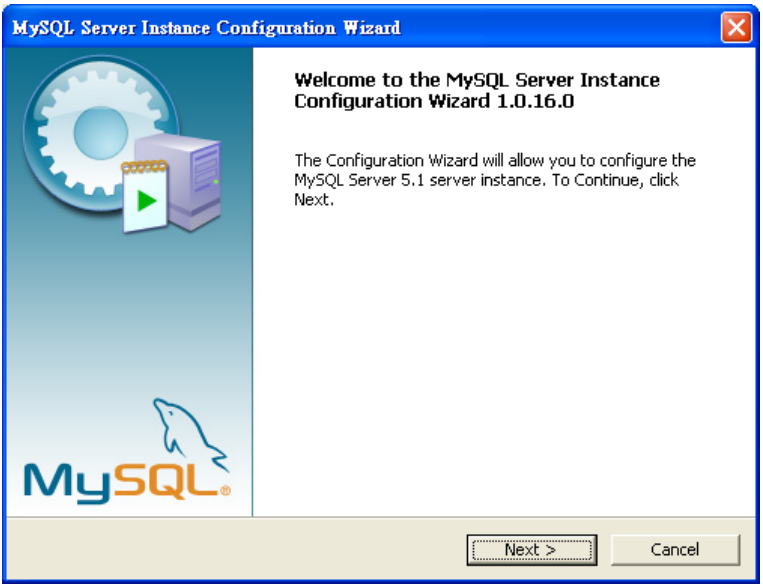
6. In the following Setup wizard, click **Install** to start installation.


MySQL Server 5.1 - Setup Wizard
Ready to Install the Program
The wizard is ready to begin installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
Current Settings:
Setup Type:
Complete
Destination Folder:
C:\Program Files\MySQL\MySQL Server 5.1\
Data Folder:
C:\Documents and Settings\All Users\Application Data\MySQL\MySQL Server 5.1\
< Back
Install
Cancel

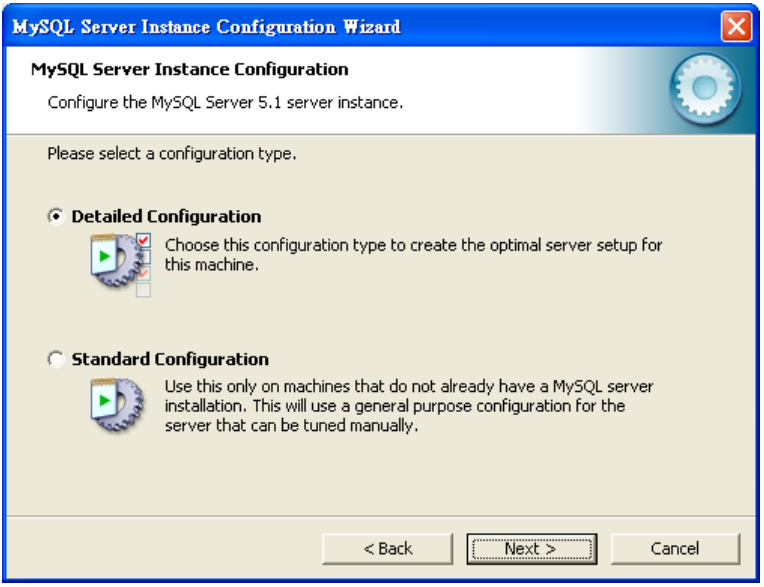
7. And then, follow the on screen instruction to complete the installation.
8. After installation completed, user can choose to register immediately or later. And then, click **Finish** to configure the MySQL.

MySQL Server 5.1 - Setup Wizard
Wizard Completed
Setup has finished installing MySQL Server 5.1. Click Finish to exit the wizard.
Configure the MySQL Server now
Use this option to generate an optimized MySQL config file, setup a Windows service running on a dedicated port and to set the password for the root account.
Register the MySQL Server now
Use this option to register this MySQL server with SunConnect service, to receive automatic update notifications on future releases and other free offerings. A browser window will open briefly to allow you to complete the registration.
< Back
Finish
Cancel
MySQL

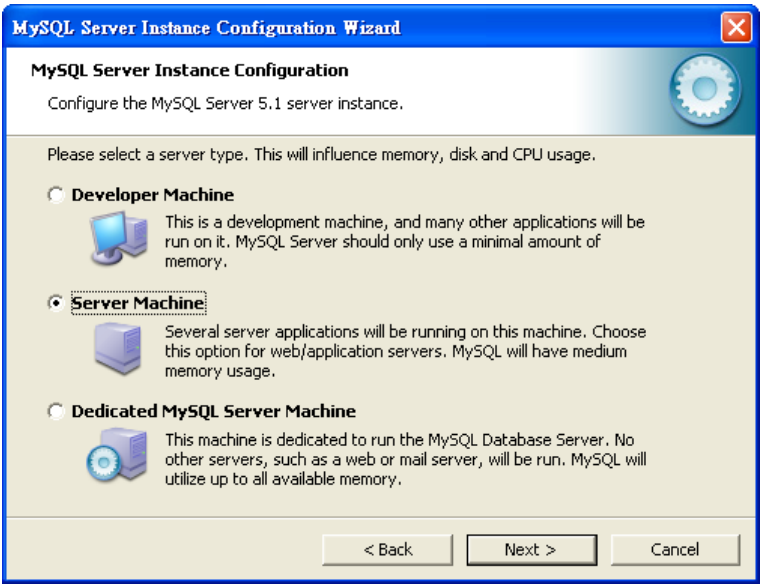
9. The Instance Configuration Wizard will appear right. Click **Next** to continue.


MySQL Server Instance Configuration Wizard
Welcome to the MySQL Server Instance Configuration Wizard 1.0.16.0
The Configuration Wizard will allow you to configure the MySQL Server 5.1 server instance. To Continue, click Next.
Next >
Cancel
MySQL

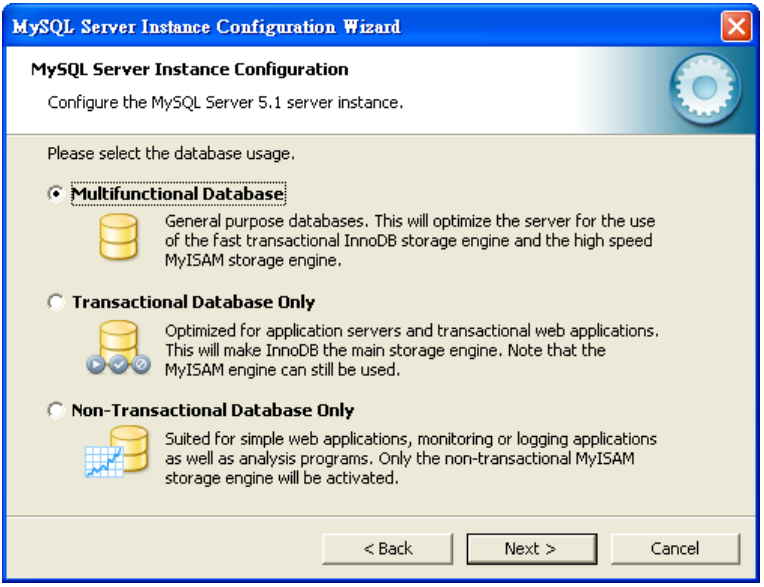
10. Select "**Detailed Configuration**" and click **Next** to go next step.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select a configuration type.
Detailed Configuration
Choose this configuration type to create the optimal server setup for this machine.
Standard Configuration
Use this only on machines that do not already have a MySQL server installation. This will use a general purpose configuration for the server that can be tuned manually.
< Back
Next >
Cancel

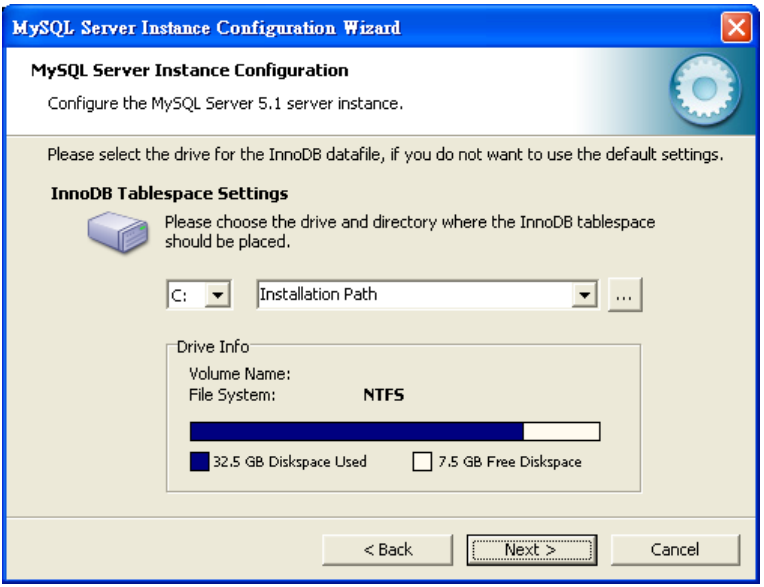
11. And then, select "**Server Machine**" and click **Next** to go next step.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select a server type. This will influence memory, disk and CPU usage.
Developer Machine
This is a development machine, and many other applications will be run on it. MySQL Server should only use a minimal amount of memory.
Server Machine
Several server applications will be running on this machine. Choose this option for web/application servers. MySQL will have medium memory usage.
Dedicated MySQL Server Machine
This machine is dedicated to run the MySQL Database Server. No other servers, such as a web or mail server, will be run. MySQL will utilize up to all available memory.
< Back
Next >
Cancel

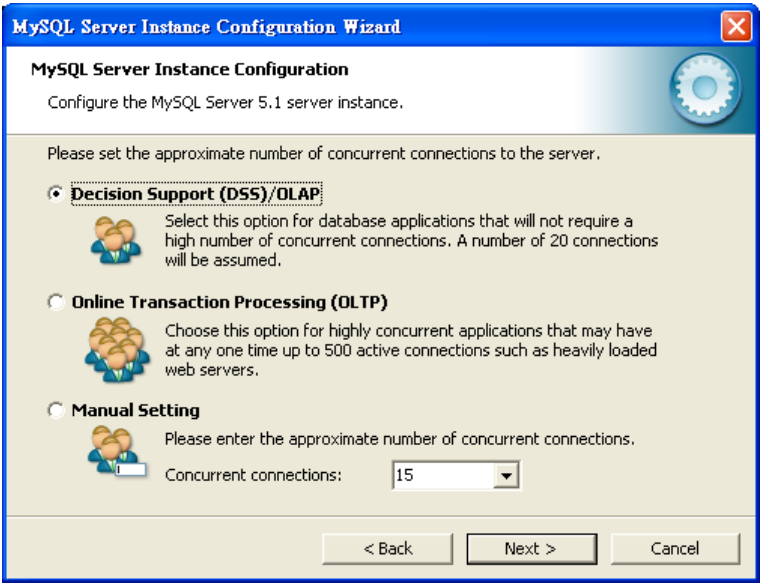
12. Select "**Multifunctional Database**" and click **Next** to continue.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select the database usage.
Multifunctional Database
General purpose databases. This will optimize the server for the use of the fast transactional InnoDB storage engine and the high speed MyISAM storage engine.
Transactional Database Only
Optimized for application servers and transactional web applications. This will make InnoDB the main storage engine. Note that the MyISAM engine can still be used.
Non-Transactional Database Only
Suited for simple web applications, monitoring or logging applications as well as analysis programs. Only the non-transactional MyISAM storage engine will be activated.
< Back
Next >
Cancel

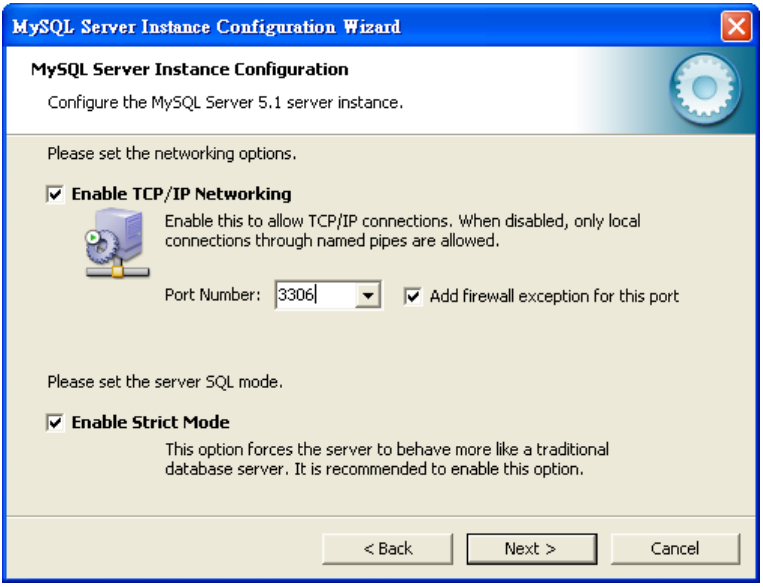
13. And then, select the path for database space. If user don't' want to change and just leave as default setting. Click **Next** to go next step.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select the drive for the InnoDB datafile, if you do not want to use the default settings.
InnoDB Tablespace Settings
Please choose the drive and directory where the InnoDB tablespace should be placed.
C:
Installation Path
...
Drive Info
Volume Name:
File System:
NTFS
32.5 GB Diskspace Used
7.5 GB Free Diskspace
< Back
Next >
Cancel

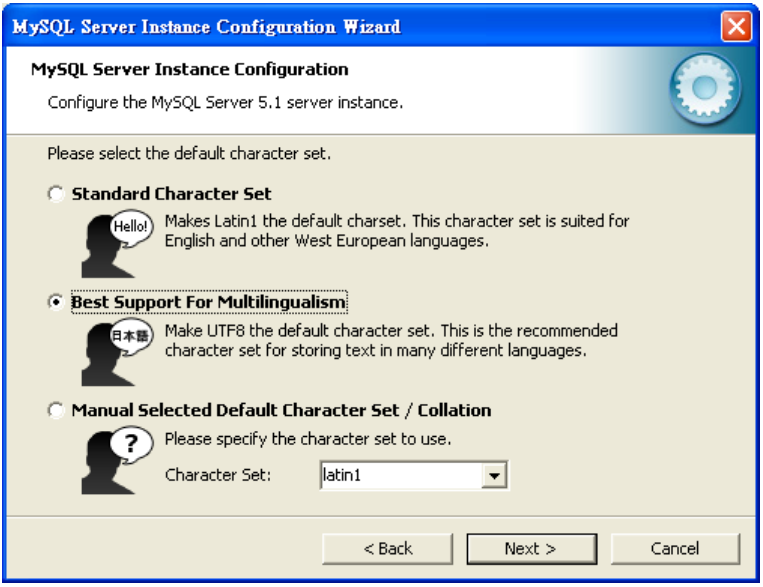
14. Select "**Decision Support(DSS)/OLAP**" for number of connection to the server. Click **Next** to go next step.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the approximate number of concurrent connections to the server.
Decision Support (DSS)/OLAP
Select this option for database applications that will not require a high number of concurrent connections. A number of 20 connections will be assumed.
Online Transaction Processing (OLTP)
Choose this option for highly concurrent applications that may have at any one time up to 500 active connections such as heavily loaded web servers.
Manual Setting
Please enter the approximate number of concurrent connections.
Concurrent connections:
15
< Back
Next >
Cancel

15. Setup the communication port of MySQL. The port range is 3306~3309. Mark "**Add firewall exception for this port**" to add the port of MySQL into Windows firewall and open for outside communication. Click **Next** to continue.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the networking options.
Enable TCP/IP Networking
Enable this to allow TCP/IP connections. When disabled, only local connections through named pipes are allowed.
Port Number:
3306
Add firewall exception for this port
Please set the server SQL mode.
Enable Strict Mode
This option forces the server to behave more like a traditional database server. It is recommended to enable this option.
< Back
Next >
Cancel

16. Select "**Best Support For Multilingualism**" as the default character set. Click **Next** to go next step.


MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please select the default character set.
Standard Character Set
Hello!
Makes Latin1 the default charset. This character set is suited for English and other West European languages.
Best Support For Multilingualism
日本語
Make UTF8 the default character set. This is the recommended character set for storing text in many different languages.
Manual Selected Default Character Set / Collation
?
Please specify the character set to use.
Character Set:
latin1
< Back
Next >
Cancel

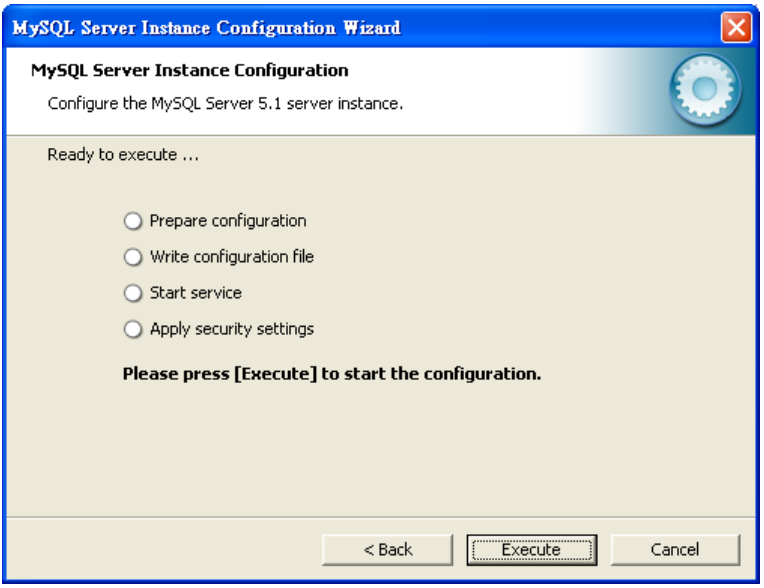
17. Mark **Install As Windows service** to add the MySQL as a service application in Windows. Mark **Inculde Bin Directory in Windows PATH** will add MySQL path to Windows path parameter. Click **Next** to go next step.

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the Windows options.
Install As Windows Service
This is the recommended way to run the MySQL server on Windows.
Service Name:
MySQL
Launch the MySQL Server automatically
Include Bin Directory in Windows PATH
MySQL>_
Check this option to include the directory containing the server / client executables in the Windows PATH variable so they can be called from the command line.
< Back
Next >
Cancel

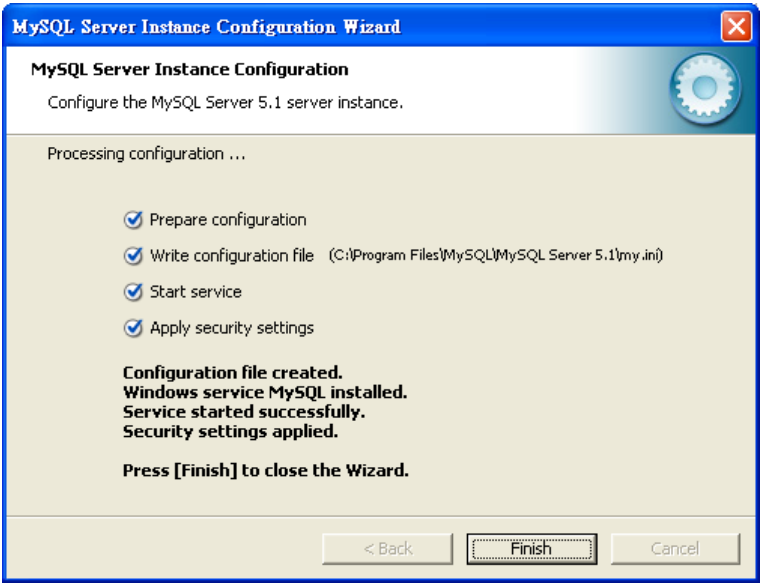
18. Mark **Modify Security Settings** to setup a password for security issue. Mark **Enable root access from the remote machines** will require to enter password when remote accessing to the MySQL server. Click **Next** to go next step.

MySQL Server Instance Configuration Wizard
MySQL Server Instance Configuration
Configure the MySQL Server 5.1 server instance.
Please set the security options.
Modify Security Settings
root
New root password:
Enter the root password.
Confirm:
Retype the password.
Enable root access from remote machines
Create An Anonymous Account
This option will create an anonymous account on this server. Please note that this can lead to an insecure system.
< Back
Next >
Cancel

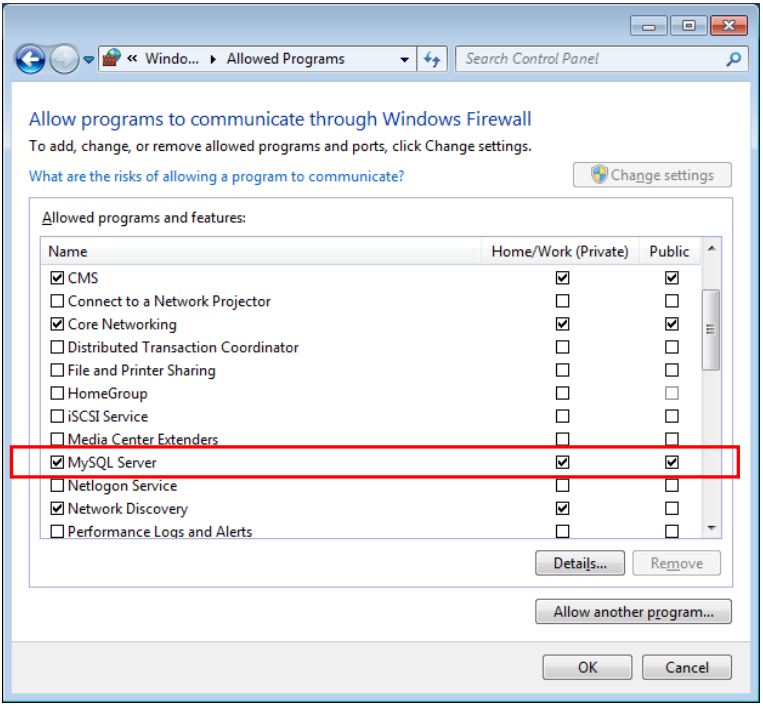
19. Click **Execute** to complete the configuration.



20. After configuration completed, click **Finish** to start MySQL.



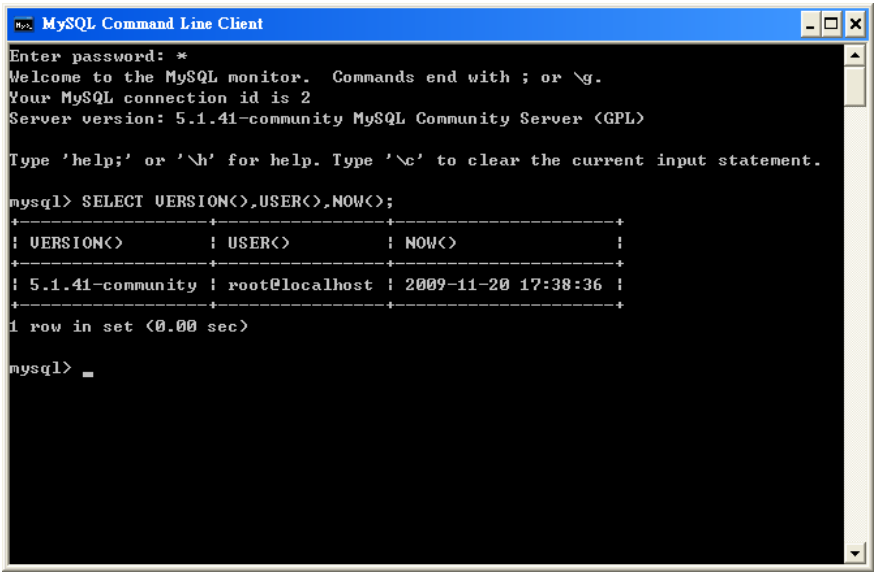
21. If user's PC has installed **2** Ethernet cards, please go to **Start > Control Panel > Windows Firewall** to check if the MySQL has allowed passing through both private and public on Windows firewall.



■ Testing MySQL

User can do the following steps to verify that MySQL has been installed well.

1. Go to MySQL command line mode(Start > Programs > MySQL→ MySQL Server 5.1→MySQL Command Line Client)
2. In **Enter Password** prompt, enter root password to login MySQL.
3. In **mysql** prompt, enter **SELECT VERSION(), USER(), NOW();**
4. The screen should display MySQL version, current user, and current time.


MySQL Command Line Client
Enter password: *
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 2
Server version: 5.1.41-community MySQL Community Server (GPL)
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> SELECT VERSION(),USER(),NOW();
VERSION() USER() NOW()
5.1.41-community root@localhost 2009-11-20 17:38:36
1 row in set (0.00 sec)
mysql>

■ To re-install the MySQL Application

When user is unable to activate the MySQL, please follow the below steps to re-install the MySQL application.

1. Go to **Start** > **Program** > **Add or Remove Programs** and select the **MySQL** to un-install.
2. After un-installation, delete the following related folder.
   - C:\Documents and Settings\All Users\Application Data\MySQL(Please go to **My Computer** > **Options** > enable "**show hidden files, folders, or drivers**")
   - C:\Program Files\MySQL
3. And then, go to **My Computer** > **Windows** > **System 32** and find the file "**regedit32.exe**". Double click **regedit32.exe** to excecute.
4. Using search function to search keywork "**MySQL**" to find the file and delete it.

- Please be careful choose the file to delete; it might cause system damage by deleting wrong file.
- **Do not** delete the file that is belonging to NV DVR and CMS's MySQL setting file.

5. After deleting, please install the MySQL again.